



Topics

- Modeling background
- Project types
- Stakeholders
- Project examples
- Model benefits
- Project requirements when using model
- Future model improvements to consider
- Q&A

Modeling Background

- MPO in Northern New Jersey (NJTPA)
- Massachusetts Department of Transportation (MassDOT)





Project Types

- National Environmental Protection Act (NEPA) documentation
- Transportation studies and impact assessment
- Transportation Management Plan





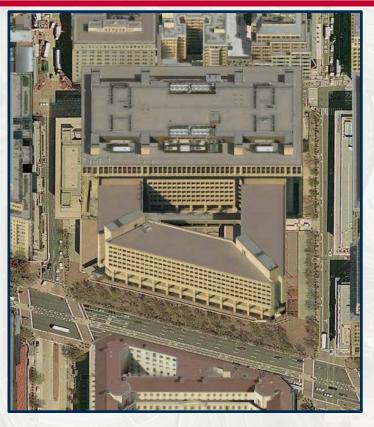




Stakeholders

Project Manager

- NEPA lead agency
- Cooperating agencies
- Environmental Protection Agency
- State Departments of Transportation
- County or regional agency (Maryland-National Capital Park and Planning Commission)
- Impacted jurisdictions
- Politicians from impacted districts
- Community groups from impacts neighborhoods
- Citizens from impacted streets





Project Examples

- Transportation Management Plans
 - Joint Base Anacostia-Bolling
- Transportation Planning Studies
 - Consolidated Federal Bureau of Investigation (FBI)
 Headquarters
- Environmental Assessments
 - Cotton Annex and General Services Administration (GSA) Regional Office Building
- Environmental Impact Statements
 - Potomac Hill Campus Master Plan
 - Consolidated Federal Bureau of Investigation (FBI)
 Headquarters

Joint Base Anacostia-Bolling

MWCOG Model Role

Background growth rate





Cotton Annex and GSA Regional Office Building

MWCOG Model Role

- Trip distribution (residential trips)
- Background growth (NCHRP 255 process)





Potomac Hill Campus Master Plan

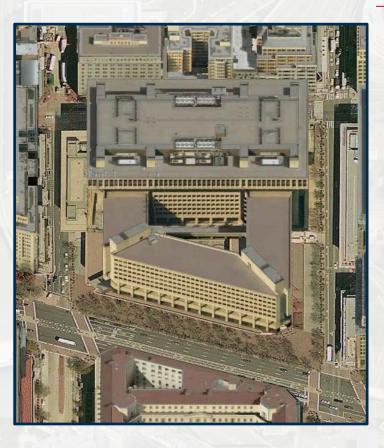
MWCOG Model Role

Travel Distances – air quality



FBI Consolidated Headquarters (Planning Study and EIS)

MWCOG Model Role



- Planning Study
 - Background growth (average rate) and NCHRP 255 process
 - Trip distribution (office)
 - Modal Split
- EIS
 - Background Growth
 - Trip distribution: JEH residential, retail, office
 - Trip distribution: Sites Office
 - Modal split
 - Travel distances Air quality

Model Benefits



- Provides a defensible source that is not labeled a national "standard approach"
- Based on locally approved assumptions (demographics, projects, etc.)
- Creates detailed quantitative results

Project Requirements When Using Model



- Education about the model's capability within the report
- Prepare to explain the tool at public meetings
- Knowledge of travel patterns in the region
- Knowledge of how to integrate GIS and model data

Future Model Improvements to Consider



- Improve the network to at least 1:5000 scale
- Create direct connection to GIS-based roadway networks (DC, VA, and MD)
- Create tool to extract trip tables, modal split, and distance data

Q&A